## WETLAND DETERMINATION DATA FORM - Alaska Region

| Annlica                                                  | t/Site: Susitna-Watana Hydroelectric Project                                                                                                                                                                                                   | В                                                                                                         | orough/City:                                      | Denali Bo                                    | rough Sampling Date: 02-Aug-13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |
|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 'PP''O                                                   | ant/Owner: Alaska Energy Authority                                                                                                                                                                                                             |                                                                                                           |                                                   |                                              | Sampling Point: SW13_T204_01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |
|                                                          | igator(s): CTS, AMD                                                                                                                                                                                                                            |                                                                                                           | Landform (hillside, terrace, hummocks etc.): Flat |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |
|                                                          | relief (concave, convex, none): flat                                                                                                                                                                                                           |                                                                                                           | Slope:                                            |                                              | 3 ° Elevation: 730                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
|                                                          | gion : Interior Alaska Mountains                                                                                                                                                                                                               | l at :                                                                                                    | 63.388988853                                      |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |
|                                                          |                                                                                                                                                                                                                                                | Lat                                                                                                       | 03.30090003                                       | 02                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |
|                                                          | ap Unit Name:                                                                                                                                                                                                                                  |                                                                                                           | • V                                               | <u> </u>                                     | NWI classification: PSS3/1B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
|                                                          | matic/hydrologic conditions on the site typical for this ti<br>/egetation $\Box$ , Soil $\Box$ , or Hydrology $\Box$ s                                                                                                                         | •                                                                                                         | ? Yes y disturbed?                                | No   Are "N                                  | (If no, explain in Remarks.)  Iormal Circumstances" present? Yes ● No ○                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |
| Are \                                                    | /egetation $\square$ , Soil $\square$ , or Hydrology $\square$ ।                                                                                                                                                                               | naturally pr                                                                                              | oblematic?                                        | (If nee                                      | eded, explain any answers in Remarks.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |
| SI INAI                                                  | MARY OF FINDINGS Attach site man show                                                                                                                                                                                                          | uina oom                                                                                                  | nlina naint                                       | locations                                    | transacta important features, etc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| DUIVII                                                   | MARY OF FINDINGS - Attach site map show                                                                                                                                                                                                        |                                                                                                           | ipiirig poirit                                    | locations                                    | s, transects, important reatures, etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |
|                                                          | Hydrophytic Vegetation Present? Yes No C                                                                                                                                                                                                       |                                                                                                           | le                                                | the Sam                                      | nled Area                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |
|                                                          | Hydric Soil Present? Yes  No C                                                                                                                                                                                                                 |                                                                                                           | Is the Sampled Area within a Wetland? Yes ● No ○  |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |
| _                                                        | Wetland Hydrology Present? Yes   No C                                                                                                                                                                                                          | )                                                                                                         | VVI                                               | uiiii a vv                                   | etiana: 155 - 115 -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |
| Rem                                                      | arks:                                                                                                                                                                                                                                          |                                                                                                           |                                                   |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |
|                                                          |                                                                                                                                                                                                                                                |                                                                                                           |                                                   |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |
| /FGI                                                     | ETATION - Use scientific names of plants. Li                                                                                                                                                                                                   | ct all cno                                                                                                | cies in the                                       | nlot                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |
|                                                          | ETATION - Ose scientific flames of plants. Li                                                                                                                                                                                                  | •                                                                                                         |                                                   | •                                            | Dominance Test worksheet:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |
| Tre                                                      | ee Stratum                                                                                                                                                                                                                                     | Absolute<br>% Cover                                                                                       | Dominant<br>Species?                              | Indicator<br>Status                          | Number of Dominant Species                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |
|                                                          | Picea mariana                                                                                                                                                                                                                                  | 5                                                                                                         | <b>V</b>                                          | FACW                                         | That are OBL, FACW, or FAC: 4 (A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| 2.                                                       |                                                                                                                                                                                                                                                | 0                                                                                                         |                                                   |                                              | Total Number of Dominant Species Across All Strata: 4 (B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |
| 3.                                                       |                                                                                                                                                                                                                                                |                                                                                                           |                                                   |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |
| 4.                                                       |                                                                                                                                                                                                                                                |                                                                                                           |                                                   |                                              | Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |
| 5.                                                       |                                                                                                                                                                                                                                                |                                                                                                           |                                                   |                                              | Parameter Turker was dealer at                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |
|                                                          | Total Cover                                                                                                                                                                                                                                    | 5                                                                                                         |                                                   |                                              | Prevalence Index worksheet:  Total % Cover of: Multiply by:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
| Sap                                                      | oling/Shrub Stratum 50% of Total Cover:                                                                                                                                                                                                        | 2.5 20%                                                                                                   | of Total Cover:                                   | 1                                            | OBL Species 2.1 x1 = 2.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |
|                                                          |                                                                                                                                                                                                                                                |                                                                                                           | <b>✓</b>                                          | FACIAL                                       | FACW Species 58.1 x 2 = 116.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |
| 1.<br>2.                                                 | Rhododendron tomentosum                                                                                                                                                                                                                        | - 20                                                                                                      | <b>∨</b>                                          | FACW                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |
| ۷.                                                       | Vaccinium uliginosum                                                                                                                                                                                                                           |                                                                                                           |                                                   |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |
| 3                                                        |                                                                                                                                                                                                                                                |                                                                                                           |                                                   | FAC                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |
| 3.<br>4                                                  | Betula nana                                                                                                                                                                                                                                    | 15                                                                                                        |                                                   | FAC                                          | FACU Species 0 x 4 = 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |
| 4.                                                       | Betula nana Vaccinium vitis-idaea                                                                                                                                                                                                              | 15                                                                                                        |                                                   | FAC FAC                                      | FACU Species 0 x 4 = 0  UPL Species 0 x 5 = 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |
| 4.<br>5.                                                 | Betula nana Vaccinium vitis-idaea Salix pulchra                                                                                                                                                                                                | 15<br>10<br>1                                                                                             |                                                   | FAC                                          | FACU Species 0 x 4 = 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |
| 4.<br>5.<br>6.                                           | Betula nana Vaccinium vitis-idaea Salix pulchra                                                                                                                                                                                                | 15<br>10<br>1<br>0                                                                                        |                                                   | FAC FAC                                      | FACU Species 0 x 4 = 0  UPL Species 0 x 5 = 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |
| 4.<br>5.<br>6.<br>7.                                     | Betula nana Vaccinium vitis-idaea Salix pulchra                                                                                                                                                                                                | 15<br>10<br>1                                                                                             |                                                   | FAC FAC                                      | FACU Species $0$ $x = 0$ UPL Species $0$ $x = 0$ Column Totals: $107.2$ (A) $259.3$ (B)  Prevalence Index = B/A = $2.419$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |
| 4.<br>5.<br>6.<br>7.<br>8.                               | Betula nana Vaccinium vitis-idaea Salix pulchra                                                                                                                                                                                                | 15<br>10<br>1<br>0                                                                                        |                                                   | FAC FAC                                      | FACU Species $0$ $x = 0$ UPL Species $0$ $x = 0$ Column Totals: $107.2$ (A) $259.3$ (B) Prevalence Index = B/A = $2.419$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |
| 4.<br>5.<br>6.<br>7.<br>8.<br>9.                         | Betula nana Vaccinium vitis-idaea Salix pulchra                                                                                                                                                                                                | 15<br>10<br>1<br>0<br>0                                                                                   |                                                   | FAC FAC                                      | FACU Species $0$ $x = 0$ UPL Species $0$ $x = 0$ Column Totals: $107.2$ (A) $259.3$ (B) Prevalence Index = B/A = $2.419$ Hydrophytic Vegetation Indicators: $\checkmark$ Dominance Test is > 50%                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |
| 4.<br>5.<br>6.<br>7.<br>8.                               | Betula nana Vaccinium vitis-idaea Salix pulchra                                                                                                                                                                                                | 15<br>10<br>1<br>0<br>0<br>0<br>0                                                                         |                                                   | FAC FAC                                      | FACU Species $0$ $x = 0$ UPL Species $0$ $x = 0$ UPL Species $0$ $x = 0$ Column Totals: $x = 0$ (B)  Prevalence Index = B/A = $x = 0$ (B)  Hydrophytic Vegetation Indicators:  Dominance Test is > 50%  Prevalence Index is $x = 0$                                                                                                                                                                                                                                                                                                                                                                                        |  |  |
| 4.<br>5.<br>6.<br>7.<br>8.<br>9.                         | Betula nana Vaccinium vitis-idaea Salix pulchra                                                                                                                                                                                                | 15<br>10<br>1<br>0<br>0<br>0<br>0<br>0                                                                    | G of Total Cover                                  | FAC<br>FAC<br>FACW                           | FACU Species $0$ $x 4 = 0$ UPL Species $0$ $x 5 = 0$ Column Totals: $107.2$ (A) $259.3$ (B)  Prevalence Index = B/A = $2.419$ Hydrophytic Vegetation Indicators:  Dominance Test is > 50%  Prevalence Index is $\leq 3.0$ Morphological Adaptations $^1$ (Provide supporting data in Remarks or on a separate sheet)                                                                                                                                                                                                                                                                                                       |  |  |
| 4.<br>5.<br>6.<br>7.<br>8.<br>9.                         | Betula nana Vaccinium vitis-idaea Salix pulchra  Total Cover                                                                                                                                                                                   | 15<br>10<br>1<br>0<br>0<br>0<br>0<br>0                                                                    |                                                   | FAC<br>FAC<br>FACW                           | FACU Species $0$ $x 4 = 0$ UPL Species $0$ $x 5 = 0$ Column Totals: $107.2$ (A) $259.3$ (B)  Prevalence Index = B/A = $2.419$ Hydrophytic Vegetation Indicators:  Dominance Test is > 50%  Prevalence Index is $\leq 3.0$ Morphological Adaptations $^1$ (Provide supporting data in                                                                                                                                                                                                                                                                                                                                       |  |  |
| 4. 5. 6. 7. 8. 9. 10. Her 1.                             | Betula nana Vaccinium vitis-idaea Salix pulchra  Total Covera  Solve of Total Covera  Total Covera | 15<br>10<br>1<br>0<br>0<br>0<br>0<br>0<br>0<br>81<br>40.5 20%                                             | G of Total Cover                                  | FAC FACW  16.2                               | FACU Species $0$ $x 4 = 0$ UPL Species $0$ $x 5 = 0$ Column Totals: $107.2$ (A) $259.3$ (B) Prevalence Index = B/A = $2.419$ Hydrophytic Vegetation Indicators:  Dominance Test is > 50%  Prevalence Index is $\le 3.0$ Morphological Adaptations $^1$ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation $^1$ (Explain)  Indicators of hydric soil and wetland hydrology must                                                                                                                                                                                                 |  |  |
| 4. 5. 6. 7. 8. 9. 10. Her 1.                             | Betula nana Vaccinium vitis-idaea Salix pulchra  Total Cover: 50% of Total Cover: Rubus chamaemorus                                                                                                                                            | 15<br>10<br>1<br>0<br>0<br>0<br>0<br>0<br>81<br>40.5 20%                                                  | G of Total Cover                                  | FAC FACW  16.2 FACW                          | FACU Species $0$ $x 4 = 0$ UPL Species $0$ $x 5 = 0$ Column Totals: $107.2$ (A) $259.3$ (B) Prevalence Index = B/A = $2.419$ Hydrophytic Vegetation Indicators:  Dominance Test is > 50%  Prevalence Index is $\leq 3.0$ Morphological Adaptations $^1$ (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation $^1$ (Explain)                                                                                                                                                                                                                                                     |  |  |
| 4. 5. 6. 7. 8. 9. 10. <b>Her</b> 1. 2.                   | Betula nana Vaccinium vitis-idaea Salix pulchra  Total Cover.  So% of Total Cover:  Rubus chamaemorus Carex rotundata Eriophorum russeolum Carex bigelowii                                                                                     | 15<br>10<br>1<br>0<br>0<br>0<br>0<br>0<br>0<br>81<br>40.5 20%                                             | G of Total Cover                                  | FAC FACW  16.2 FACW  OBL FACW FAC            | FACU Species 0 x 4 = 0 UPL Species 0 x 5 = 0 Column Totals: 107.2 (A) 259.3 (B) Prevalence Index = B/A = 2.419  Hydrophytic Vegetation Indicators:  ✓ Dominance Test is > 50% ✓ Prevalence Index is ≤3.0                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |
| 4. 5. 6. 7. 8. 9. 10.  Her 1. 2. 3. 4. 5.                | Betula nana Vaccinium vitis-idaea Salix pulchra  Total Cover 50% of Total Cover:  Rubus chamaemorus Carex rotundata Eriophorum russeolum Carex bigelowii Carex aquatilis                                                                       | 15<br>10<br>1<br>0<br>0<br>0<br>0<br>0<br>81<br>40.5 20%<br>15<br>2<br>2<br>0.1                           | G of Total Cover                                  | FAC FACW  16.2 FACW  OBL FACW  OBL  FAC  OBL | FACU Species $0$ $x 4 = 0$ UPL Species $0$ $x 5 = 0$ Column Totals: $107.2$ (A) $259.3$ (B) Prevalence Index = B/A = $2.419$ Hydrophytic Vegetation Indicators:  Dominance Test is > 50%  Prevalence Index is $\le 3.0$ Morphological Adaptations $^1$ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation $^1$ (Explain)  Indicators of hydric soil and wetland hydrology must                                                                                                                                                                                                 |  |  |
| 4. 5. 6. 7. 8. 9. 10. <b>Hea</b> 1. 2. 3. 4. 5. 6.       | Betula nana Vaccinium vitis-idaea Salix pulchra  Total Cover: 50% of Total Cover: Rubus chamaemorus Carex rotundata Eriophorum russeolum Carex bigelowii Carex aquatilis Pedicularis labradorica                                               | 15<br>10<br>1<br>0<br>0<br>0<br>0<br>0<br>81<br>40.5 20%<br>15<br>2<br>2<br>2<br>0.1<br>0.1               | G of Total Cover                                  | FAC FACW  16.2 FACW  OBL FACW FAC            | FACU Species 0 x 4 = 0 UPL Species 0 x 5 = 0 Column Totals: 107.2 (A) 259.3 (B) Prevalence Index = B/A = 2.419  Hydrophytic Vegetation Indicators:  ✓ Dominance Test is > 50% ✓ Prevalence Index is ≤3.0                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |
| 4. 5. 6. 7. 8. 9. 10. <b>Heer</b> 1. 2. 3. 4. 5. 6. 7.   | Betula nana Vaccinium vitis-idaea Salix pulchra  Total Cover: 50% of Total Cover:  Rubus chamaemorus Carex rotundata Eriophorum russeolum Carex bigelowii Carex aquatilis Pedicularis labradorica                                              | 15<br>10<br>1<br>0<br>0<br>0<br>0<br>0<br>81<br>40.5 20%<br>2<br>2<br>2<br>0.1<br>0.1                     | G of Total Cover                                  | FAC FACW  16.2 FACW  OBL FACW  OBL  FAC  OBL | FACU Species 0 x 4 = 0 UPL Species 0 x 5 = 0 Column Totals: 107.2 (A) 259.3 (B) Prevalence Index = B/A = 2.419  Hydrophytic Vegetation Indicators:  ✓ Dominance Test is > 50% ✓ Prevalence Index is ≤3.0                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |
| 4. 5. 6. 7. 8. 9. 10. Her 1. 2. 3. 4. 5. 6. 7. 8.        | Betula nana Vaccinium vitis-idaea Salix pulchra  Total Cover: 50% of Total Cover:  Rubus chamaemorus Carex rotundata Eriophorum russeolum Carex bigelowii Carex aquatilis Pedicularis labradorica                                              | 15<br>10<br>1<br>0<br>0<br>0<br>0<br>0<br>81<br>40.5 20%<br>15<br>2<br>2<br>2<br>0.1<br>0.1               | G of Total Cover                                  | FAC FACW  16.2 FACW  OBL FACW  OBL  FAC  OBL | FACU Species 0 x 4 = 0 UPL Species 0 x 5 = 0 Column Totals: 107.2 (A) 259.3 (B) Prevalence Index = B/A = 2.419  Hydrophytic Vegetation Indicators:  ✓ Dominance Test is > 50% ✓ Prevalence Index is ≤3.0                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |
| 4. 5. 6. 7. 8. 9. 10. Heal 1. 2. 3. 4. 5. 6. 7. 8. 9. 9. | Betula nana Vaccinium vitis-idaea Salix pulchra  Total Cover: 50% of Total Cover: Rubus chamaemorus Carex rotundata Eriophorum russeolum Carex bigelowii Carex aquatilis Pedicularis labradorica                                               | 15<br>10<br>1<br>0<br>0<br>0<br>0<br>0<br>81<br>40.5 20%<br>2<br>2<br>2<br>0.1<br>0.1<br>0                | G of Total Cover                                  | FAC FACW  16.2 FACW  OBL FACW  OBL  FAC  OBL | FACU Species 0 x 4 = 0 UPL Species 0 x 5 = 0 Column Totals: 107.2 (A) 259.3 (B) Prevalence Index = B/A = 2.419  Hydrophytic Vegetation Indicators:  ✓ Dominance Test is > 50% ✓ Prevalence Index is ≤3.0      Morphological Adaptations 1 (Provide supporting data in Remarks or on a separate sheet)     Problematic Hydrophytic Vegetation 1 (Explain)  1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  Plot size (radius, or length x width) 10m  % Cover of Wetland Bryophytes (Where applicable) % Bare Ground 5 Total Cover of Bryophytes 50                    |  |  |
| 4. 5. 6. 7. 8. 9. 10. Heal 1. 2. 3. 4. 5. 6. 7. 8. 9.    | Betula nana Vaccinium vitis-idaea Salix pulchra  Total Cover 50% of Total Cover:  Rubus chamaemorus Carex rotundata Eriophorum russeolum Carex bigelowii Carex aquatilis Pedicularis labradorica                                               | 15<br>10<br>1<br>0<br>0<br>0<br>0<br>0<br>81<br>40.5 20%<br>15<br>2<br>2<br>2<br>0.1<br>0.1<br>0<br>0     | G of Total Cover                                  | FAC FACW  16.2 FACW  OBL FACW  OBL  FAC  OBL | FACU Species 0 x 4 = 0 UPL Species 0 x 5 = 0  Column Totals: 107.2 (A) 259.3 (B)  Prevalence Index = B/A = 2.419  Hydrophytic Vegetation Indicators:  ✓ Dominance Test is > 50%  ✓ Prevalence Index is ≤ 3.0      Morphological Adaptations 1 (Provide supporting data in Remarks or on a separate sheet)      Problematic Hydrophytic Vegetation 1 (Explain)  1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  Plot size (radius, or length x width) 10m  % Cover of Wetland Bryophytes (Where applicable)  % Bare Ground 5 Total Cover of Bryophytes 50  Hydrophytic |  |  |
| 4. 5. 6. 7. 8. 9. 10. Heal 1. 2. 3. 4. 5. 6. 7. 8. 9.    | Betula nana Vaccinium vitis-idaea Salix pulchra  Total Cover: 50% of Total Cover: Rubus chamaemorus Carex rotundata Eriophorum russeolum Carex bigelowii Carex aquatilis Pedicularis labradorica                                               | 15<br>10<br>1<br>0<br>0<br>0<br>0<br>0<br>0<br>81<br>40.5 20%<br>2<br>2<br>2<br>0.1<br>0.1<br>0<br>0<br>0 | 6 of Total Cover                                  | FAC FACW  16.2 FACW  OBL FACW  FAC  OBL FACW | FACU Species 0 x 4 = 0 UPL Species 0 x 5 = 0  Column Totals: 107.2 (A) 259.3 (B)  Prevalence Index = B/A = 2.419  Hydrophytic Vegetation Indicators:  ✓ Dominance Test is > 50%  ✓ Prevalence Index is ≤ 3.0                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |

US Army Corps of Engineers Alaska Version 2.0

SOIL Sampling Point: SW13\_T204\_01

|                        |                               |                        | <del></del>   |                            |                        |                         | · ·               |                    | r                            | 10mc 51115_120+_01                  |
|------------------------|-------------------------------|------------------------|---------------|----------------------------|------------------------|-------------------------|-------------------|--------------------|------------------------------|-------------------------------------|
|                        | on: (Describe to              | the depth ne<br>Matrix | eded to docur | ment the inc               |                        | firm the ab<br>ox Featu |                   | cators)            |                              |                                     |
| Depth<br>(inches)      | Color (mo                     |                        | %             | Color (m                   |                        | %                       | Type <sup>1</sup> | Loc <sup>2</sup>   | Texture                      | Remarks                             |
| 0-3                    |                               |                        | 100           |                            |                        |                         | -71               |                    | Hemic Organics               |                                     |
| 3-8                    |                               |                        | 100           |                            |                        |                         |                   |                    | Fibric Organics              |                                     |
| 8-14                   | 10Y                           | 4/1                    | 85            | 10YR                       | 4/4                    | 15                      | С                 |                    | Sandy Clay                   |                                     |
| 14-15                  | 10YR                          | 3/2                    | 100           |                            |                        |                         |                   |                    | Sandy Clay                   |                                     |
| 15-17                  | 10Y                           | 4/1                    | 95            | 10YR                       | 4/4                    |                         |                   |                    | Sandy Clay                   |                                     |
|                        |                               |                        |               | 10                         | -, -                   |                         |                   |                    |                              |                                     |
| -                      | -                             |                        |               |                            |                        |                         | _                 |                    |                              |                                     |
|                        |                               |                        |               |                            |                        |                         |                   | -                  |                              |                                     |
| ¹Type: C=Cor           | <br>ncentration. D            | =Depletion.            | RM=Reduc      | ed Matrix                  | <sup>2</sup> Location: | : PL=Por                | e Lining. RC      | =Root Cha          | annel. M=Matrix              |                                     |
| Hydric Soil I          | ndicators:                    |                        |               | Indicat                    | ors for Pro            | blemati                 | c Hydric So       | oils: <sup>3</sup> |                              |                                     |
| Histosol or            | Histel (A1)                   |                        |               | Alasl                      | ka Color Cha           | ange (TA                | 4) <sup>4</sup>   |                    | Alaska Gleyed Without Hu     | ie 5Y or Redder                     |
| Histic Epipedon (A2)   |                               |                        |               | Alaska Alpine swales (TA5) |                        |                         |                   | Underlying Layer   |                              |                                     |
| Hydrogen               | Sulfide (A4)                  |                        |               | Alas                       | ka Redox W             | ith 2.5Y I              | Hue               |                    | Other (Explain in Remark     | 5)                                  |
|                        | Surface (A12)                 | )                      |               | 3 ∩ne ir                   | ndicator of k          | nydronhyd               | tic vegetatio     | n one nrin         | mary indicator of wetland hy | vdrology                            |
| ✓ Alaska Gle           |                               |                        |               |                            | appropriate            |                         |                   |                    |                              | , di ology,                         |
| ✓ Alaska Red           | ` '                           | <b>5</b> \             |               | 4 Give c                   | details of col         | lor chang               | e in Remark       | (S                 |                              |                                     |
| Alaska Gle             | yed Pores (A1                 | 5)<br>———              |               |                            |                        |                         |                   |                    |                              |                                     |
| Restrictive Laye       |                               |                        |               |                            |                        |                         |                   |                    |                              |                                     |
|                        | dy clay, active               | layer                  |               |                            |                        |                         |                   |                    | Hydric Soil Present?         | ? Yes ● No ○                        |
| Depth (inch            | ies): 8, 1/                   |                        |               |                            |                        |                         |                   |                    |                              |                                     |
| Remarks:               |                               |                        |               |                            |                        |                         |                   |                    |                              |                                     |
|                        |                               |                        |               |                            |                        |                         |                   |                    |                              |                                     |
|                        |                               |                        |               |                            |                        |                         |                   |                    |                              |                                     |
|                        |                               |                        |               |                            |                        |                         |                   |                    |                              |                                     |
|                        |                               |                        |               |                            |                        |                         |                   |                    |                              |                                     |
| HYDROLO                | G <u>Y</u>                    |                        |               |                            |                        |                         |                   |                    |                              |                                     |
| Wetland Hydi           | rology Indica                 | itors:                 |               | ,                          |                        |                         |                   |                    | Secondary Indic              | cators (two or more are required)   |
| Primary Indica         |                               | <u>is sufficient</u>   | )             |                            |                        |                         |                   |                    |                              | ned Leaves (B9)                     |
| Surface W              | ` '                           |                        |               |                            | undation Vis           |                         | _                 |                    |                              | atterns (B10)                       |
|                        | er Table (A2)                 |                        |               |                            | arsely Vege            |                         | ncave Surfa       | ce (B8)            |                              | nizospheres along Living Roots (C3) |
| ✓ Saturation           | ` '                           |                        |               |                            | arl Deposits           | ` '                     |                   |                    |                              | f Reduced Iron (C4)                 |
| ☐ Water Mai            |                               |                        |               |                            | drogen Sulf            |                         |                   |                    | Salt Deposi                  |                                     |
|                        | Deposits (B2)                 |                        |               |                            | y-Season W             |                         |                   |                    |                              | Stressed Plants (D1)                |
| ☐ Drift Depo           |                               |                        |               | ∐ Uti                      | her (Explain           | in Rema                 | ırks)             |                    | ✓ Geomorphic                 |                                     |
| ☐ Algai Mat☐ Iron Depo | or Crust (B4)                 |                        |               |                            |                        |                         |                   |                    | ✓ Shallow Aqu                |                                     |
|                        | osits (B5)<br>oil Cracks (B6) |                        |               |                            |                        |                         |                   |                    | ✓ FAC-neutral                | raphic Relief (D4)                  |
| Field Observa          |                               |                        |               |                            |                        |                         |                   |                    | ▼ I AC Heuda                 | Test (D3)                           |
| Surface Water          |                               | Yes O                  | No •          | D€                         | epth (inches           | :)·                     |                   |                    |                              |                                     |
| Water Table P          |                               |                        | No •          |                            |                        | •                       |                   | Wetla              | nd Hydrology Present         | t? Yes • No O                       |
| Saturation Pre         |                               |                        |               |                            | epth (inches           | •                       |                   | VV CC.C.           | ilu ilyulology i lose        | .: 165 C NO C                       |
| (includes capil        |                               | Yes 🔍                  | No O          | De                         | epth (inches           | 5): 8                   |                   |                    |                              |                                     |
| Describe Record        | ded Data (stre                | am gauge,              | monitor we    | ll, aerial p               | hotos, previ           | ious inspe              | ection) if ava    | ailable:           |                              |                                     |
|                        |                               |                        |               |                            |                        |                         |                   |                    |                              |                                     |
| Remarks:               |                               |                        |               |                            |                        |                         |                   |                    |                              |                                     |
|                        |                               |                        |               |                            |                        |                         |                   |                    |                              |                                     |
|                        |                               |                        |               |                            |                        |                         |                   |                    |                              |                                     |
|                        |                               |                        |               |                            |                        |                         |                   |                    |                              |                                     |
|                        |                               |                        |               |                            |                        |                         |                   |                    |                              |                                     |

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